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- (71) Applicant (for all designated States except US): **ORION DIAGNOSTICA OY** [FI/FI]; Koivu-Mankkaan tie 6B, FIN-02200 Espoo (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **VUOLTEENAHO, Olli** [FI/FI]; Kelokuusentie 8, FIN-90240 Oulu (FI). **ALA-KOPSALA, Minna** [FI/FI]; Vesalankuja 4B10, FIN-90420 Oulu (FI). **RUSKOaho, Heikki** [FI/FI]; Joonaanite 10, FIN-91800 Tyrmäva (FI). **LEPPÄLUOTO, Juhani** [FI/FI]; Rantakatu 10A, FIN-90100 Oulu (FI). **HAAPALAHTI, Jouko** [FI/FI]; Köykkyrintie 28, FIN-90450 Kempele (FI).
- (74) Agents: **SEXTON, Jane, Helen et al.**; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5JJ (GB).
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(54) Title: ASSAY

(57) Abstract: An *in vitro* method of determining activation or inactivation of the atrial natriuretic peptide (ANP) and brain natriuretic peptide (BNP) hormonal systems, the method comprising simultaneously detecting the presence or amount of atrial and brain natriuretic peptide prohormones (proANP and proBNP) or fragments thereof in a sample.

WO 2005/003764 A2